

Product datasheet for **MC216297**

PPP2R5E (NM_012024) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R5E (NM_012024) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	PPP2R5E
Synonyms:	4633401M22Rik; AI449017; B56beta
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216297 representing NM_012024
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTCAGCACCAACTACTCCTCCATCAGTGGATAAAGTAGACGGATTTTCTCGGAAGTCCGTCAGAA
 AAGCCAGACAGAAGAGGTCGCAAAGCTCCTCCAGTTCAGGTCTCAAGGCAAGCCATTGAGCTCAGGCC
 TCTGCCACTGCTGAAAGACGTTCCAACCTCAGAGCAGCCTGAACTGTTCCATAAGAACTTCAGCAGTGC
 TGTGTCATTTTTGACTTCATGGACACGCTACTGTATCTTAAAAAGAAAGATAACAAGCGCTCCACTCTTA
 ATGAACTGGTGGACTACATTACAATAAGCAGAGGCTGTCTGACAGAGCAGACTTACCCTGAAGTAGTTAG
 AATGGTATCTTGCAATATATTCAGAACTCTCCCTCCTAGTGACAGCAATGAATTCGACCCAGAAGAAGAT
 GAACCTACCCTCGAGGCATCATGGCCCCACTTACAGCTTGATATGAATTTTTTCATAAGATTTTTGGAAA
 GCCAAGAATCCAACCCAGCATTGCCAAAAATACATAGATCAGAAATTTGTATTACAGCTTTTGGAGCT
 ATTTGACAGTGAAGACCCTCGAGAACGGGACTATTTAAAAACAGTCTTGACAGGATTTATGGCAAGTTT
 CTCGGGCTTAGAGCATTTATCCGAAAACAAATTAACAATTTTTTCTAAGTTTTGTTTATGAAACAGAAC
 ACTTCAATGGTGTAGCTGAACTGCTGAAAATATTAGGAAGTATTATCAATGGCTTTGCTTTACCACTCAA
 GGCAGAACACAAACAGTTCCTGGTAAAAGTGTGATCCCTCTACACACTGTGAGGAGCTTGTCACTCTTT
 CATGCACAGCTGGCGTATTGTATAGTACAGTTTCTGGAGAAAGACCCTTCCCTTACAGAACCAGTTATTA
 GGGGGCTAATGAAATTTTGGCCTAAAACATGCAGTCAAAAAGAGGTGATGTTCTCGGGGAGCTGGAAGA
 AATCTTGGATGTGATTGAACCGTCACAATTTGTTAAAACCAAGAACCCTTTGTTTAAACAAATTGCCAAG
 TGTGTTTCTAGCCCCATTTTCAGGTGGCAGAAAGGGCACTCTATTATTGGAATAATGAATACATCATGA
 GTTTGATAGAAGAAAACCTAACGTCATCCTTCCCATCATGTTCTCCAGCCTTTATAGGATTTCAAAGA
 GCATTGGAATCCGGCCATTGTGGCATTGGTGATACAACGTGTTGAAGGCATTTATGGAAATGAACAGCACT
 ATGTTTGTAGCTGACAGCCACATACAAGTCAGATCGTCAGCGTGAGAAAAAGAAAGAAAGGAGCGAG
 AAGAAGCTGGAAAAAATTGGAGGATCTGGAGTTAAAGAGAGGTCTTAGACGCGATGGGATAATTCCAAC
TAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_012024

Insert Size: 1404 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_012024.2](#), [NP_036154.1](#)

RefSeq Size: 4841 bp

RefSeq ORF: 1404 bp

Locus ID: 26932

UniProt ID: [Q61151](#)

Cytogenetics: 12 C3

Gene Summary: The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment. Interacts with cyclin G in vitro.[UniProtKB/Swiss-Prot Function]